

*A-P file (FER-45 Supplement)
Supplement #4 to FER-45*

DEPARTMENT OF CONSERVATION

DIVISION OF MINES AND GEOLOGY

SAN FRANCISCO DISTRICT OFFICE

FERRY BUILDING

SAN FRANCISCO, CA 94111

(Phone 415-557-0633)



November 14, 1978

Gary S. Rasmussen & Associates
1906 South Commercenter East
Suite 207
San Bernardino, California 92408

Dear Gary:

Enclosed is a memo from Drew Smith (project geologist who evaluated and recommended zoning the Chicken Hill fault) responding to your comments of October 11, 1978. I have reviewed the memo and other pertinent data and, on November 10, 1978, examined certain features associated with the Chicken Hill fault.

I agree with the substance of most of Mr. Smith's responses (his points 1, 2 and 4). Regarding the northwest-trending scarps (point 3), I agree with you that they do not appear to be natural. After a two-hour examination of these features (with John Fett, geological reviewer for San Bernardino County), I feel almost certain that they are the result of grading, possibly for irrigation or groundwater recharge. The remnants of concrete standpipes and old irrigation pipes supports this contention. Moreover, the central scarp stands about 10 feet high and at a 40° angle to the horizontal. Such a steep face would not stand more than 50 to 100 years in the soft alluvial terrace material. If the scarps were due to recent and repeated faulting, they should be modified extensively by erosion.

In view of the above, I am recommending to the State Geologist that the northwest-trending inferred fault traces be removed from our zone map and that the Special Studies Zone boundary be revised as indicated on the attached map.

Again, I wish to thank you for taking the time to review the Preliminary Review Map and to provide us with your comments.

Sincerely yours,

Earl Hart

EARL W. HART
Senior Geologist
San Francisco District Office

EWH/mkr

Enclosures

cc: J.F. Davis
D.P. Smith
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